VULTURE MINE ROAD
FCD GAGE ID# 5263

STATION DESCRIPTION

LOCATION - The gage is located in an unincorporated portion of Wickenburg near the high school at Steinway Drive and Duffy Lane, just off of Vulture Mine Road. Latitude 33° 57' 1.8" North; Longitude 112° 45' 58.8" West. Located in S15 T7N R5W, in the Vulture Peak 7.5-minute quadrangle.

ESTABLISHMENT - The gage was installed on October 26, 2005.

DRAINAGE AREA – Undetermined

GAGE - The gage is a pressure transducer type instrument. The PT diaphragm is at gage height 0.35 feet, levels of November 22, 2005. The PT is on the center headwall of the upstream side of the culverts under Steinway Drive.

There is one crest-stage gage at this location. Pin elevation is 0.61 feet gage height, levels of November 22, 2005.

There is one staff gage at this location. It is located on the right, upstream wing wall. It reads in gage height.

ZERO GAGE HEIGHT – Zero gage height is defined in terms of the staff gage, which reads in gage height.

HISTORY – No previous history at this location. Gaging established on October 26, 2005.

REFERENCE MARKS

RM-1 is the top of a large nail located near the station tube. Elevation 6.69 feet gage height, levels of November 22, 2005.

CHANNEL AND CONTROL - The gage is located at a 2 barrel 54-inch diameter culvert under Steinway Drive. The channel is natural upstream and downstream of the culverts. About 75 feet upstream of the culvert is a single barrel culvert under Vulture Mine Road.

Control for the channel at the gage is the culvert. Any subsequent overtopping is mainly uncontrolled.

RATING - The current rating is Rating #1, dated October 25, 2005. The rating is was created using survey data in an HY-8 model for culvert analysis.

DISCHARGE MEASUREMENTS - Direct measurements could be made by wading just downstream of the gage at low flows.

POINT OF ZERO FLOW - The channel PZF is at 0.66 feet gage height, which is the elevation of the invert of the culverts.

FLOODS – The peak flow is 58 cfs and 2.67 feet gage height occurring on July 25, 2007.

REGULATION - None known

DIVERSIONS - None known

ACCURACY - Fair

JUSTIFICATION - Monitor flows in the southern fork of Casandro Wash as input to Casandro Dam.

UPDATED - July 21, 2011
DE Gardner